FACILITY STATUS CHANGE FORM

Date Submitted:	Area:	Control #:
August 7, 2013	300 Area	D4-300-090
Originator:	**Facility ID:**	
Chris Strand	3906, 3906B	
Phone:	**Action Memorandum:**	
554-2720	Action Memorandum #3	

This form documents agreement among the parties listed below on the status of the facility D&D operations and the disposition of underlying soil in accordance with the applicable regulatory decision documents.

Section 1: Facility Status

☐ All D4 operations required by action memo complete.

☒ D4 operations required by action memo partially complete, remaining operations deferred.

Description of Completed Activities and Current Conditions:
Deactivation: Utility isolations were completed on the facilities prior to beginning removal actions.

Decontamination and Decommissioning: Inspections, scoping surveys, and characterization sampling identified no hazardous materials that required removal prior to demolition.

Demolition of the above-grade structures were completed in July of 2013. The debris was removed and disposed of at ERDF. The below-grade portion of 3906 was removed to three feet below-grade. No portion of the 3906B below-grade structure was removed because of interference from adjacent and active underground power.

Description of Deferral (as applicable):
Demolition of the one to three feet of the 3906B structure is deferred because of interferences imposed by immediately adjacent and active utilities.

Section 2: Underlying Soil Status

☐ No waste site(s) present. No additional actions anticipated.

☒ Documented waste site(s) present. Cleanup and closeout to be addressed under Record of Decision.

☐ Potential waste site discovered during D4 operations. Waste site identification number <to be> assigned.

Cleanup and closeout to be addressed under Record of Decision.

Description of Current/As-Left Conditions:
Both the 3906 and 3906B lift stations were backfilled with clean borrow pit material. No radiological or Industrial Hygiene posting remain. No GPERS surveys were conducted as both facilities were located outside the 300 Area industrial core Underground Radioactive Material Area. This is supported by characterization surveys that found no radiological contamination present in either structure.

Identification of Documented Waste Site(s) or Nature of Potential Waste Site Discovery (as applicable):
300-15:4 - Remaining process sewer Colon 4 structures (below-grade portions of each lift station) will be addressed under the 300-FF-2 Record of Decision.
300-257 - the south chamber of 3906 was connected to the 300-257 waste site. Below-grade structure to be addressed under the 300-FF-2 Record of Decision.

Section 3: List of Attachments

1. Facility Information (building history and characterization).
2. Project photographs.

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DOE-RL	Date 8/12/13
Lead Regulator ☒ EPA ☐ Ecology	Date Aug 13 2013

DISTRIBUTION:

EPA: Larry Gadbois, B1-46
Ecology: Rick Bond, HO-57
DOE: Rudy Guercia, A3-04
Document Control, H4-11
Administrative Record, H6-08 (300-FF-2 OU)

SIS Coordinator: Ben Cowin, H4-22
D4 EPL: Chris Strand, L4-45
Sample Design/Cleanup Verification:Theresa Howell, H4-23
FR Engineering: Eric Ison, L1-13
FR EPL: Chris Strand, L4-45

Attachment 1: Facility Information

Facility History:

3906 Lift Station

The 3906 Lift Station was located northeast of the 337 building, just south of Locust Road and consisted of reinforced concrete vault mostly lying below-grade. The vault was approximately 12 feet by 12 feet wide, 18 feet deep, and was divided into two separate systems by a wall of concrete. The northern portion of the structure served the sanitary sewer, and contained two 3 HP pumps that could operate at 50 gpm. The southern portion of the structure contained two 20 HP pumps rated at 700 gpm and was used for process sewer waste streams. However, in later years of operation utility modifications associated with retained facilities resulted in process sewer water being routed to the northern portion of the vault as well.

The 3906 Lift Station provided a gravity drain collection point in the southeast part of the 300 Area for both the sanitary sewer system and the process sewer system. Waste water was pumped westward, where it could then flow by gravity to the end of the sewage systems for sanitary and waste water. The lift station pumps were shutdown 2009 with closure of the 300 Area Treated Effluent Disposal Facility. However, a temporary tie-in via sump pump continued to send effluent to the 3906B lift station until the summer of 2012 when the lift station was deactivated.

3906B Lift Station

The 3906B Lift Station was located immediately northeast of the 3906 Lift Station and served historically as a gravity collection point and pump station for sanitary sewer waste waters. However, in later years of operation utility modifications associated with retained facilities resulted in process sewer water being routed to the northern portion of the vault as well.

The lift station consisted of an entirely below-grade, reinforced concrete well that was approximately 19 feet deep and 6 feet in diameter. The structure contained two 15 HP pumps that operated at approximately 200 gpm capacity. Waste water was pumped westward, where it could then flow by gravity to the end of the sewage systems for sanitary and waste water. The lift station was shut down in the summer of 2012.

3906 Characterization

Table 1 summarizes the industrial hygiene, radiological control, and characterization samples collected prior to demolition.

Table 1. Summary of 3906 Characterization Surveys

Type	Date	Documented In	Results Summary
Asbestos	July 2013	172241	An AHERA accredited inspector performed a visual evaluation during sample collection and radiological surveys. No ACM was observed in lift station components.
IH Surveys and Beryllium Characterization	June 5, 2013 June 5, 2013	BFA-3906-13-001 IHEA-3906-13-001	Facility declared Be free and no other contaminants of concern anticipated.
Radiological Surveys	3/7/13	RSR-300-PS-09144	No radiological contamination identified.

3906B Characterization

Table 2 summarizes the industrial hygiene, radiological control, and characterization samples collected prior to demolition.

Table 2. Summary of 3906B Characterization Surveys

Type	Date	Documented In	Results Summary
Asbestos	July 2013	1722411	An AHERA accredited inspector performed a visual evaluation during sample collection and radiological surveys. No ACM was observed in lift station components.
IH Surveys and Beryllium Characterization	June 5, 2013 June 5, 2013	BFA-3906B-13-001 IHEA-3906B-13-001	Facility declared Be free and no other contaminants of concern anticipated.
Radiological Surveys	3/7/13 9/20/12	RSR-300-PS-0914 RSR-300-PS-3494	No radiological contamination identified.

Associated WIDS sites:

During later years of operation, the 3906 and 3906B lift stations received process sewer effluent. Therefore, the 300-15 WIDS number is associated with this facility. Both structures will undergo remedial closure as sub-site 300-15:4 in accordance with the 300-FF-2 Operable Unit Record of Decision.

Anomalies Discovered During Demolition.

No anomalies were discovered during demolition of the below-grade portions. Post demolition soils displayed no visual evidence of staining or discoloration. GPERS surveys were not conducted as both structures were located outside of the 300 Area industrial underground radioactive material area and scoping surveys identified no radiological contamination was present within either facility.

Attachment 2: Project Photographs

Photograph 1: 3906 Lift Station, looking west on February 22, 2013.

Photograph 2. 3906B Lift Station, looking northwest on July 12, 2013.

Photograph 3. 3906 excavation during backfill, looking southeast on July 15, 2013.

Photograph 4. 3906 excavation following backfill, looking southwest on July 15, 2013.

Photograph 5. 3906B following backfill, looking east on August 7, 2013.